

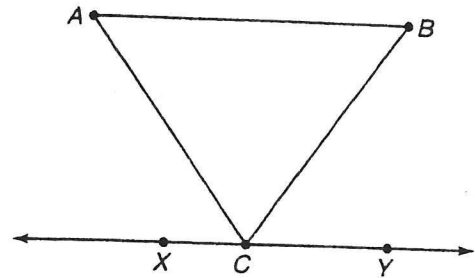
## Practice

Student Edition  
Pages 180-187

## Classifying Triangles

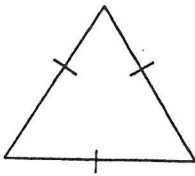
For Exercises 1-7, refer to the figure at the right. Triangle  $ABC$  is isosceles with  $AB > AC$  and  $AB > BC$ . Also,  $\overline{XY} \parallel \overline{AB}$ . Name each of the following.

1. sides of the triangle
2. angles of the triangle
3. vertex angle
4. base angles
5. side opposite  $\angle BCA$
6. congruent sides
7. angle opposite  $\overline{AC}$



Classify each triangle as scalene, isosceles, or equilateral.

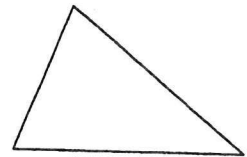
1)



2)

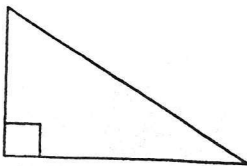


3)

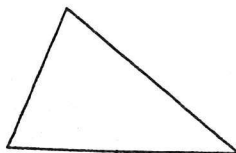


Classify each triangle as acute, right, or obtuse.

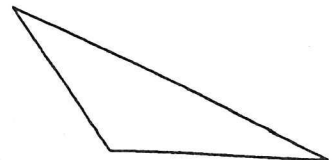
4)



5)



6)



7. Use the distance formula to classify the triangle by the measures of its sides

Triangle PQR with the vertices P (0, 6), Q (3, 6) and R (3, 0)